39224

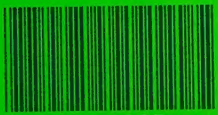
SBA 100/100A

COMMAND SET

Quick Reference Card

49054429

MP MASTER



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KEYBOARD COMMAND SET

- Underlined characters are the actual keys entered by the operator.
- Non-underlined characters appear on screen in response to the keys entered by the operator.
- Characters in parentheses are included to make this reference card more readable. They are neither entered nor do they appear on screen.
- "XXX ..." indicates a variable string of undefined length.
- A pair of brackets ({}) delimits a set of variables. Two adjoining pairs of brackets indicate that any variable in the first set may be followed by any pair in the second set.

ASSIGN

DISPLAY BASE = { *HEX* / *OCT(AL)* / *DEC(IMAL)* / *BIN(ARY)* }

CONTROL = { *SBA* / *GPIB* / *RS-232* / *TAPE* }

LPT = { *CENT* / *GPIB* / *RS-232* / *TAPE* } *(present set-up)*

BRANCH ON TRIG(GER) (1–5)

X TO KEY(RECORD) *XXX* RETURN

CHANGE

MEM(ORY) *XXXX = (echo),* XXXX (hex)
TIME =►HH:MM:SS. *XX:XX:XX*
DATA *XXXX = (echo),* XXX...(dec)
FRAME XXX = (echo), *XXX*

DISPLAY

OPER MODE { *1* / *2* }
RT *XX*
I/O SETUP
KEYRECORD *XXX (1–254)*
TERMINAL → { *XX,XX* / *CLEAR* }
TERMINAL *ACTIVITY* XX
NOISE TEST
MEM(ORY) *XXXX (hex)*
BC *XX*
CAPTURE
TERMINAL *ERROR* XX
STACK *XXXX (dec)*
FRAME FORMAT
PRIORITY
STACK *VALUE,* XXXXXXXX (hex)

EXECUTE

- **CALL TO KEY** *XXX IF* { TRUE / NOTTRUE }
- **NOISE TEST**
- **KEYRECORD**
- **JUMP TO KEY** *XXX IF* { TRUE / NOTTRUE }

FILL

MEM(ORY) (hex) / **DATA (dec)** *XXXX TO* XXXX WITH XXX...

GOSUB

XXXX (dec)

HALT

- **NOISE TEST**
- **STACK**

KEY (Suspend keyrecord execution (when encountered in the keyrecord sequence). NOTE: EXECUTE KEYRECORD (CR) resumes execution at the line following key.)

LOAD FROM

- **TAPE** *REWIND*
- **GPIB**
- **RS-232**

MOVE

- **MEMORY** *XXXX,* XXXX INTO XXX(hex)
- **DATA** *XXXX,* XXXX INTO XXXX(dec)
- **STACK** *XXXX,* XXXX(dec) INTO → { MEMORY / DATA } *XXXX*

POSITION TAPE AT **(NAME) CR**

RUN STACK

SAVE

- **RS-232 TO**
- **GPIB TO**
- **OPER MODE TO**
- **STACK** *XXXX TO* XXXX TO
- **CRT TO**
- **HEADER TO**
- **TAPE TO**
- **KEYRECORDS TO**
- **XMIT BUFFERS TO**
- **DATA BUFFERS TO**
- **MEM(ORY)** *XXXX,* XXXX(hex) TO
- **BACKGROUND ACTIVITY TO**

→ { TAPE { *REWIND* / *LINK* } / LPT / GPIB / RS-232 }

TEST

- **MEM(ORY)** *XXXX* = XXX... (hex)
- **SYSTEM**

WAIT

- **STACK FULL**
- **XXXX (dec) (0001 to 65535 mSEC)**
- **TRIGGER**

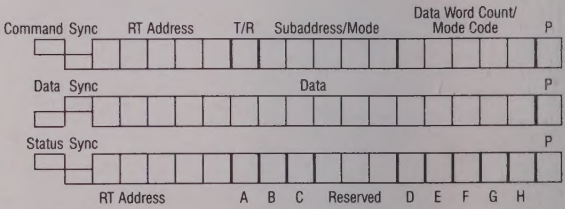
XMIT

- **FOREVER**
- **XXXX (dec)**

SPECIAL KEY(S)

COMMAND KEY(S)	DEFINITION
CTRL B	Rewinds the tape to the first file.
CTRL C or ↑ or RESET	Cancels the current command on the command line. Terminates softkey execution.
CTRL E	Rewinds the tape to the load point (first file) and ejects the tape.
CTRL L	Locks the keyboard and keypad (allows no entries).
CTRL R	Resets the SBA 100.
CTRL U	Unlocks the keyboard and keypad.
RUBOUT or ←	1. Cancel previous entry if on command line or error line or within keyrecord line. 2. Backs one position for in-page programming. 3. Rubs out complete line if first action on keyrecord line.
ESC	Typed while in keyrecord page before CR or to insert a line in a keyrecord page.
INCR	Displays next entry if programming command line or in-page options. Scrolls data down in page if on terminal or stack page. Displays next RT page, BC page, or keyrecord page. Display next value if change command.
DECR	Display previous entry if programming command line, or in page options. Scroll data up in terminal, or in page options. Display previous page if RT, BC, or keyrecord page. Display previous value if change command.

1553 WORD TYPES – 20 BITS



A - Message Error
B - Instrumentation
C - Service Request
D - Broadcast Command Received
E - Busy
F - Subsystem Flag
G - Dynamic Bus Control Acceptance
H - Terminal Flag

KEYPAD COMMAND SET

Refer to legend from KEYBOARD command set for explanations.

A ASSIGN

- **DISPLAY BASE =** { *0 HEX* / *3 OCT(AL)* / *D DEC(IMAL)* / *B BIN(ARY)* }
- **CONTROL =** { *3 SBA* / *1 GPIB* / *2 RS-232* / *0 TAPE* }
- **1 LPT =** { *C CENT* / *3 GPIB* / *2 RS-232* / *0 TAPE* } *(present set-up)*

B BRANCH ON TRIG(GER) (1–5) **X TO KEY(RECORD)** *XXX* 0 RETURN

C CHANGE

- **1 MEM(ORY)** *XXXX = (echo),* XXXX (hex)
- **8 TIME = HH:MM:SS.** *XX:XX:XX*
- **D DATA** *XXXX = (echo),* XXX...(dec)
- **F FRAME XXX = (echo)** , *XXX*

D DISPLAY

- **0 OPER MODE 1**
- **1 OPER MODE 2**
- **2 PRIORITY**
- **4 RT** *XX*
- **5 I/O SETUP**
- **6 KEYRECORD** *XXX (1–254)*
- **7 TERMINAL** → { *XX* / *CLEAR* } XX
- **8 TERMINAL ACTIVITY** *XX*
- **9 NOISE TEST**
- **A MEM(ORY)** *XXXX (hex)*
- **B BC** *XX*
- **C CAPTURE**
- **D TERMINAL ERROR** *XX*
- **E STACK** *XXXX (dec)*
- **F FRAME FORMAT**

E EXECUTE

- **C CALL TO KEY** *XXX IF;* → { 0 TRUE / 1 NOTTRUE }
- **2 NOISE TEST**
- **3 KEYRECORD**
- **1 JUMP TO KEY** *XXX IF;* → { 0 TRUE / 1 NOTTRUE }

F FILL

- **1 MEM(ORY) (hex)** *XXXX TO* XXXX WITH XXX...
- **D DATA (dec)**

8 GOSUB **XXXX (dec)**

5 HALT

0 NOISE TEST
1 STACK

---

6 LOAD FROM

0 TAPE *0 REWIND*
1 GPIB
2 RS-232

---

4 MOVE

1 MEM(ORY) *XXXX,* XXXX INTO XXX(hex)
D DATA *XXXX,* XXXX INTO XXXX(dec)
3 STACK *XXXX,* XXXX(dec) INTO { 1 MEM(ORY) / D DATA } *XXXX*

---

7 POSITION TAPE AT (NAME) CR

---

9 RUN STACK

---

3 SAVE

9 RS-232 TO
A GPIB TO
1 OPER MODE TO
2 STACK *XXXX TO* XXXX TO
C CRT TO
6 HEADER TO
4 TAPE TO
5 KEYRECORDS TO
7 XMIT BUFFERS TO
D DATA BUFFERS TO
0 MEM(ORY) *XXXX,* XXXX(hex) TO
B BACKGROUND ACTIVITY TO

→ { 0 TAPE { *2 REWIND* / *0 LINK* } / 1 LPT / 3 GPIB / 2 RS-232 }

---

2 TEST

1 MEM(ORY) *XXXX* = XXX... (hex)
0 SYSTEM

---

0 WAIT

B STACK FULL
XXXX (dec) (0001 to 65535 mSEC)
A TRIGGER

---

1 XMIT

FOREVER
XXXX (dec)